

Claim 17, line 1, change "any of claims 13-16" to --claim 13--.

Claim 22, line 1, change "any of claims 17-21" to --claim 17--.

Claim 24, line 1, change "any of claims 17-23" to --claim 17--.

Kindly amend claim 28 as follows:

28. (Amended) An imaging method according to [any of claims 13-22, 26 or 27] claim 27 wherein the image is periodically modified utilizing the following method [of any of claims 1-12] reconstructing an image of the slice using initial X-ray attenuation data acquired along an initial scan path sector; and modifying the image to provide a modified image of the slice, responsive to additional X-ray attenuation data acquired along an additional scan path sector in a vicinity of the axial position of the slice, the sector having an angular extent substantially less than a predetermined reconstruction angle.

Kindly cancel claims 29-54.

Kindly add the following new claims:

--55. An imaging method according to claim 23 wherein the object is a biopsy needle.

56. An imaging method according to claim 13 and including periodically modifying the image using the following method:

reconstructing an image of the slice using initial X-ray attenuation data acquired along an initial scan path sector; and

modifying the image to provide a modified image of the slice, responsive to additional X-ray attenuation data acquired along an additional scan path sector in a vicinity of the axial position of the slice, the sector having an angular extent substantially less than a predetermined reconstruction angle.

57. An imaging method according to claim 26 and including periodically modifying the image using the following method:

reconstructing an image of the slice using initial X-ray attenuation data acquired along an initial scan path sector; and